

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

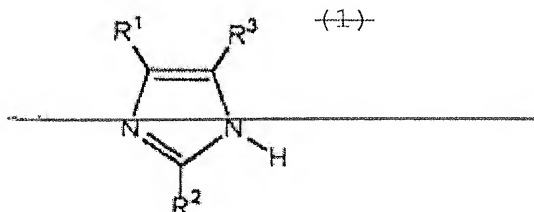
LISTING OF CLAIMS:

1. (currently amended) An acid-base mixture comprising a base component and an acid component, wherein:

~~at least one of the base component and the acid component~~ comprises 2-ethyl-4-methylimidazole and 4-methylimidazole, and optionally 2-ethylimidazole, and ~~at least two compounds,~~

the acid-base mixture is ion conductive, ~~and~~

~~the base component comprises a base represented by chemical formula (1):~~



~~wherein R¹, R², and R³ each independently represent a hydrogen atom or a hydrocarbon group having 1 to 20 carbon atoms, provided that at least one of them is a hydrocarbon group.~~

2. (cancelled)

3. (previously presented) The acid-base mixture according to claim 1, having a melting point of 120°C or lower or no melting point.

4. (previously presented) The acid-base mixture according to claim 1, being an equimolar mixture of the base component and the acid component.

5. (previously presented) The acid-base mixture according to claim 1, being liquid at room temperature.

6-8. (cancelled)

9. (previously presented) The acid-base mixture according to claim 1, wherein at least one of the acid components comprises an acid structurally free from a fluorine atom.

10. (previously presented) The acid-base mixture according to claim 1, wherein at least one of the acid components comprises an inorganic acid.

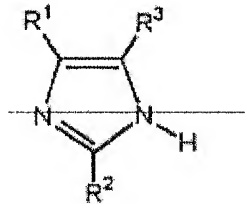
11. (previously presented) The acid-base mixture according to claim 10, wherein at least one of the acid components comprises sulfuric acid or phosphoric acid.

12. (cancelled)

13. (previously presented) The acid-base mixture according to claim 1, being proton conductive.

14. (currently amended) An ion conductor comprising:
an acid-base mixture comprising a base component and
an acid component,

the base component comprises 2-ethyl-4-
methylimidazole ~~a base represented by chemical formula (2):~~



~~wherein R¹, R², and R³ each independently represent a hydrogen atom or a hydrocarbon group having 1 to 20 carbon atoms, provided that R¹ and R³ are different, and~~

said ion conductor has a melting point of 120°C or lower or no melting point, and a glass transition temperature of 25°C or lower.

15-21. (cancelled)

22. (previously presented) The ion conductor according to claim 14, wherein the acid component is an acid structurally free from a fluorine atom.

23. (previously presented) The ion conductor according to claim 14, wherein the acid component is an inorganic acid.

24. (original) The ion conductor according to claim 23, wherein the inorganic acid is sulfuric acid.

25. (previously presented) The ion conductor according to claim 14, being a proton conductor.

26. (new) The ion conductor according to claim 14, which comprises an electrolyte in a fuel cell, a secondary batter, an electric double layer capacitor, or an electrolytic capacitor.

27. (new) A fuel cell, a secondary batter, an electric double layer capacitor, or an electrolytic capacitor comprising an ion conductor as an electrolyte, said ion conductor comprising an acid-base mixture comprising a base component and an acid component,

wherein the base component comprises 2-ethyl-4-methylimidazole, and

said ion conductor has a melting point of 120°C or lower or no melting point, and a glass transition temperature of 25°C or lower.

28. (new) The ion conductor according to claim 14, wherein the base component further comprises 4-methylimidazole, and optionally 2-ethylimidazole.